

King County DNRP Water Quality Index

STATION **484** WATER YEAR **2018**

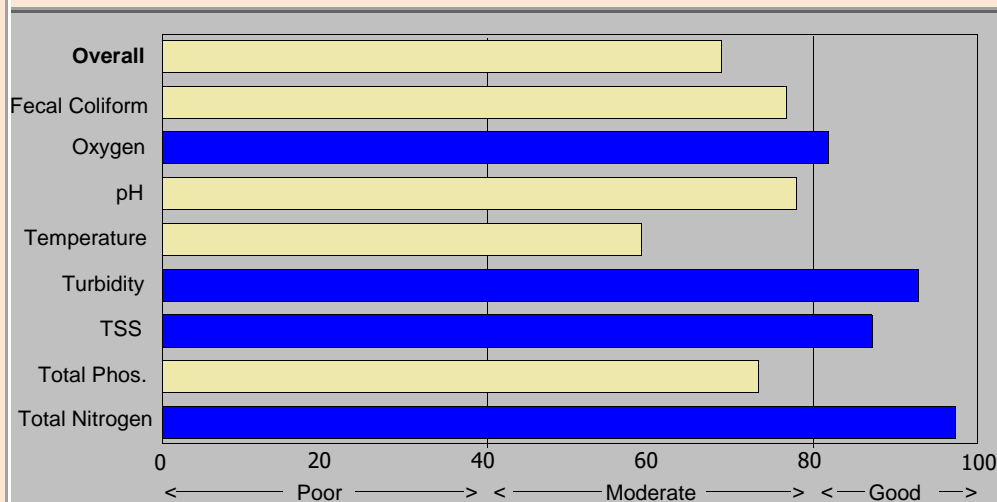
GAUGE # 02a Bear Creek @ Union Hill RD

Overall Index 69

Station 0484 is located approximately one mile upstream of the mouth of Bear creek where it enters the Sammamish River in the City of Redmond. Station 0484 has been sampled by King County since 1971. The county has also sampled two upstream sites on the mainstem of Bear Creek; station C484 is located at bridge number 119A on NE 95th Street (east of Avondale Rd) upstream of the confluence of Evans Creek with Bear Creek, and station J484 (discontinued in 2009) is the furthest upstream site located at the bridge on 133rd (Seidel Rd), east of Bear Creek Rd. Bear Creek, Cottage Lake Creek and Evans Creek are all on the Washington Department of Ecology's (Ecology) 303(d) list, Category 4a, for having an approved TMDL plan for temperature, dissolved oxygen, and fecal coliform bacteria. Bear Creek is approximately 12.4 miles long and the basin is comprised of three sub-basins: Bear Creek at 14,300 acres, Cottage Lake Creek at 8,000 acres, and Evans Creek at 9,800 acres.

Annual Water Quality Index Scores

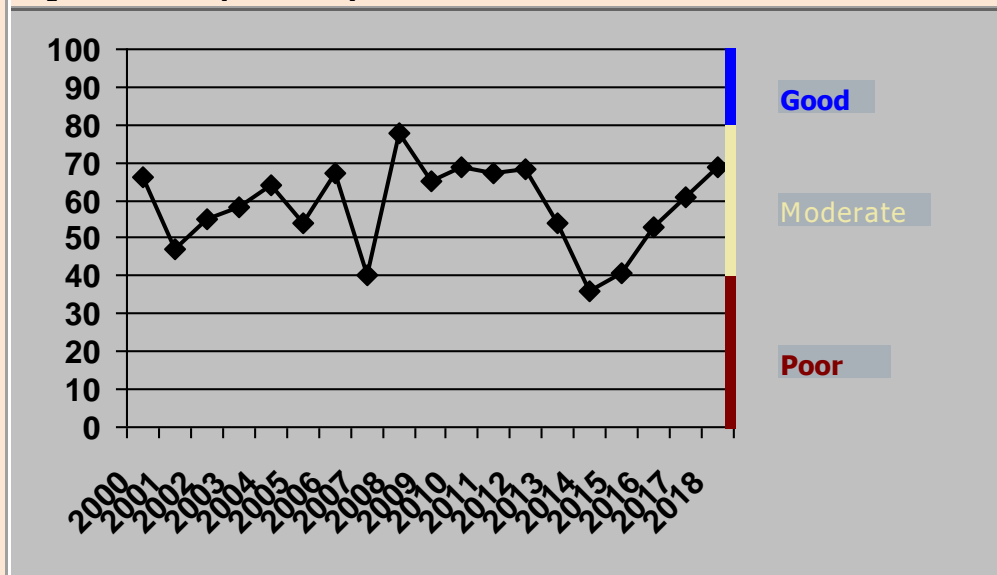
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
95	88	93	84	94	94	81	55	92	73	79	90

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>